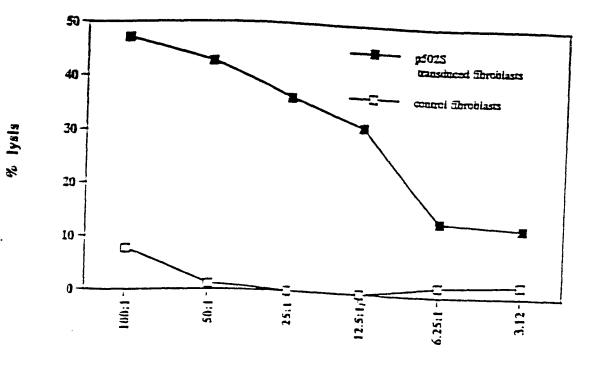


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Effector: Target Ratio

Fig. 1

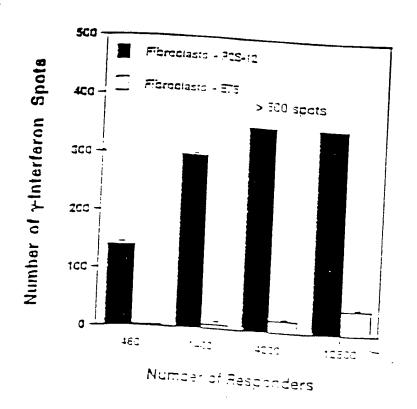


Fig. 2A

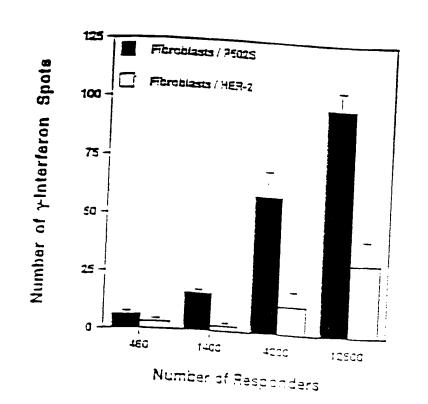


Fig. 2B

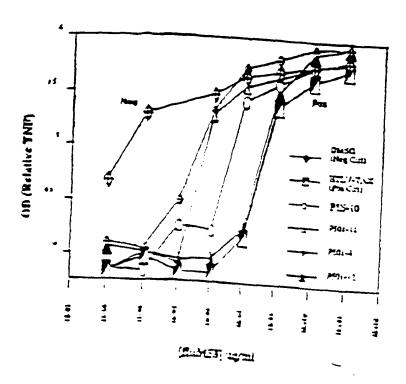


Fig. 3

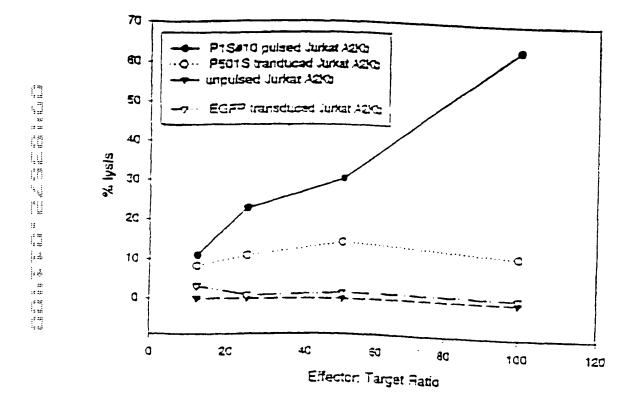


Fig. 4

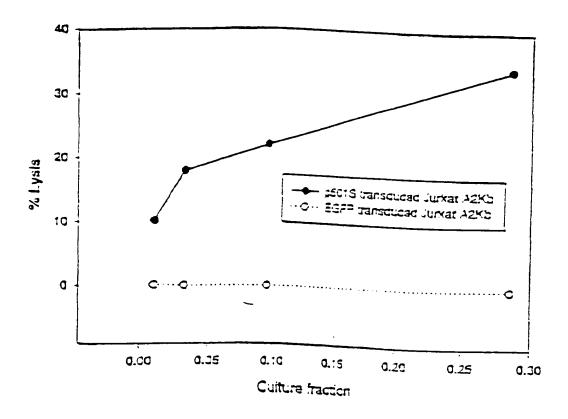
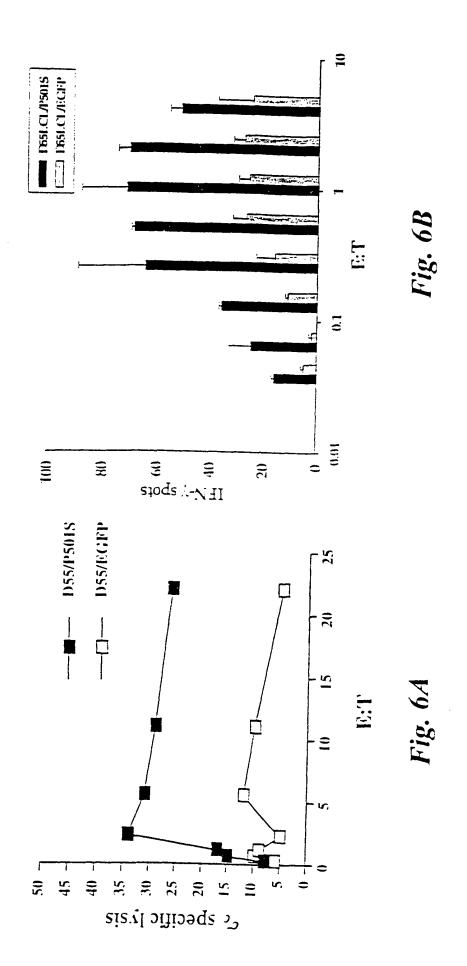
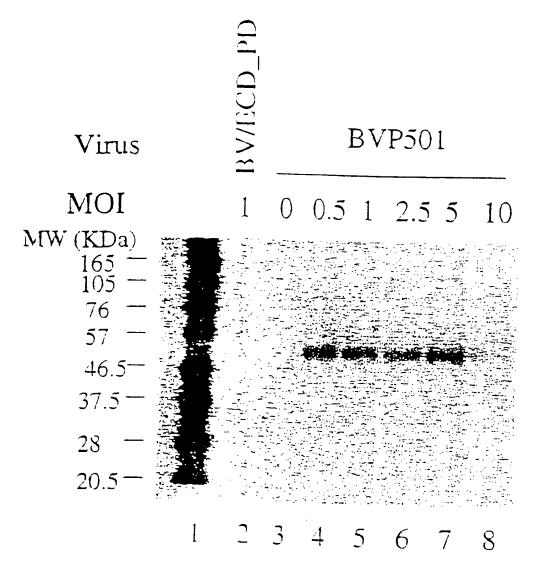


Fig. 5



Expression of P501S by the Baculovirus Expression System



0.6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD_PD clane 1, without virus (lane 3), or with recombinant baculovirus for P501 at different NOIs clane 4 - 8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P50 S P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight market Scollabs).

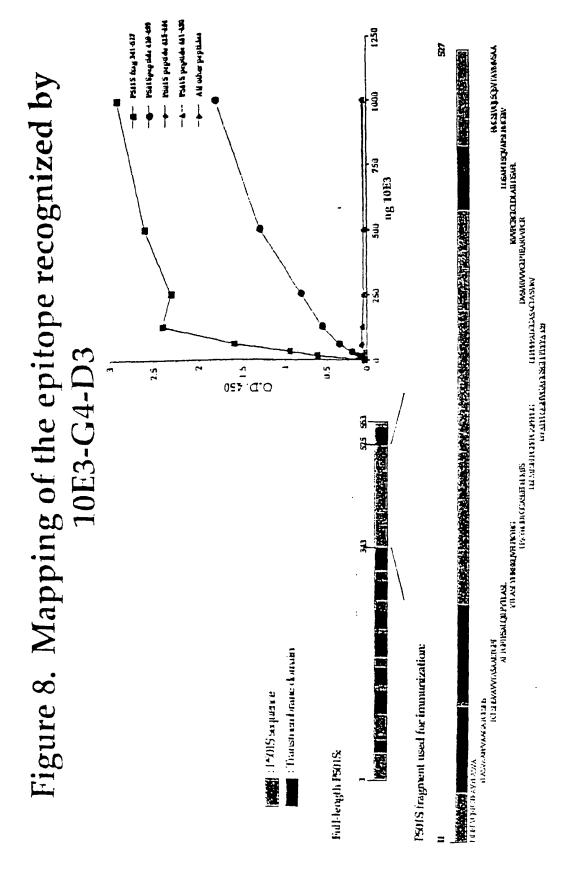


Fig. 8

transmembrane, cytoplasmic, and extracellular regions Figure \mathcal{I} . Schematic of P501S with predicted

AIVORIWYSRILRIIRK AQLILLYNLLTFGLEVÇLAAGIT YVPPLLLEVGVEEKFNLTNIYLGIGPVLGLYCVPLLGSAS

DHWKGRYGRRRP EIWALSLOILLSLIFLIPRAGWI, AGLLCPIPRPLE LALLILGYGLLDFCGQVCFTPL

ealenderdpicko aysyyababseggyenem dwiyesalapylgig

CLPGLITTERICYAATILY, AFEAAFOPTEPAEGISAPSISPIFC PCRARIAFRNIGALIPRI

HOLGCRAFFREICH LEVAGEGSWMALMIFTEFTDE VGEGLYOGVPRABFGTRARRIYDEGVR

MOSLOLIFOCAISLVESLVM DRLVQRFGTRAVYLAS VAAFPVAAGATCLSIISVAVVTA SAA

LIGITESALOIL PYTLASLY HREKQVFLPKYRODTGGASSEDSI MTSFLPGPKPGAPFPNGHVGAGGSGL

LPPPPALCCASACDYSVRWVGEPTEARVVPGRG ICLDLAILDSAFLLSOVAPSLF MGSIVQLSQS

VIAYMVSAAGI.GI.VAIYFAT QVVFDKSDIAKYSA

Italic sequence: Predicted intracellular domain. Sequence in bold/underlined: used to generate polyclonal rabbit serum Underlined segmence: Predicted transmembrane domain; Bold segmence: Predicted extracellular domain;

Governing Amino Acid Composition of Integral Membrane Proteins: Applications to topology Prediction. J.Mol Biol. 283, Localization of domains predicted using HMMTOP (G.F. Tusnady and I. Simon (1998) Principles

Genomic Map of (5) Corixa Candidate Genes

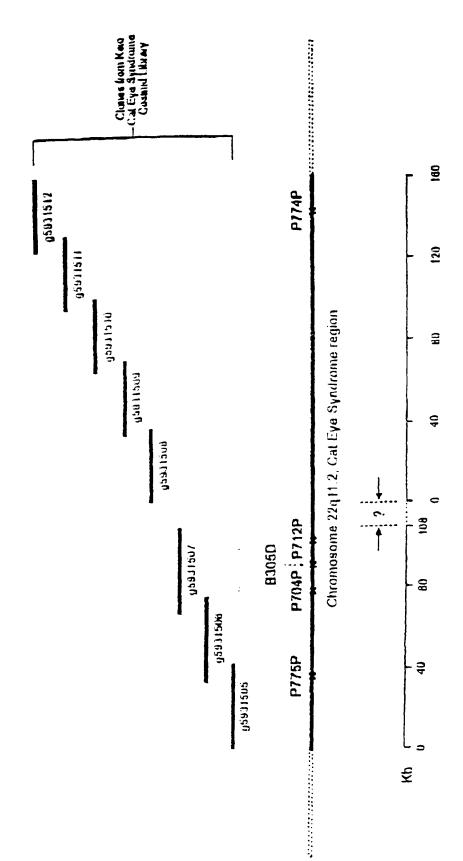


Fig. 10

FIGURE 4. Elisa assay of rabbit polyclonal antibody specificity

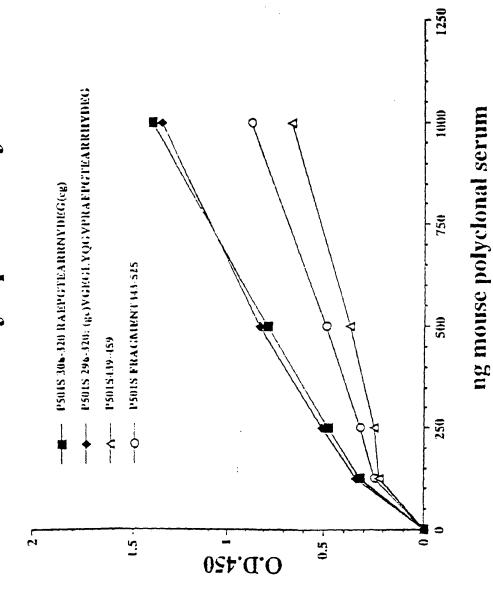
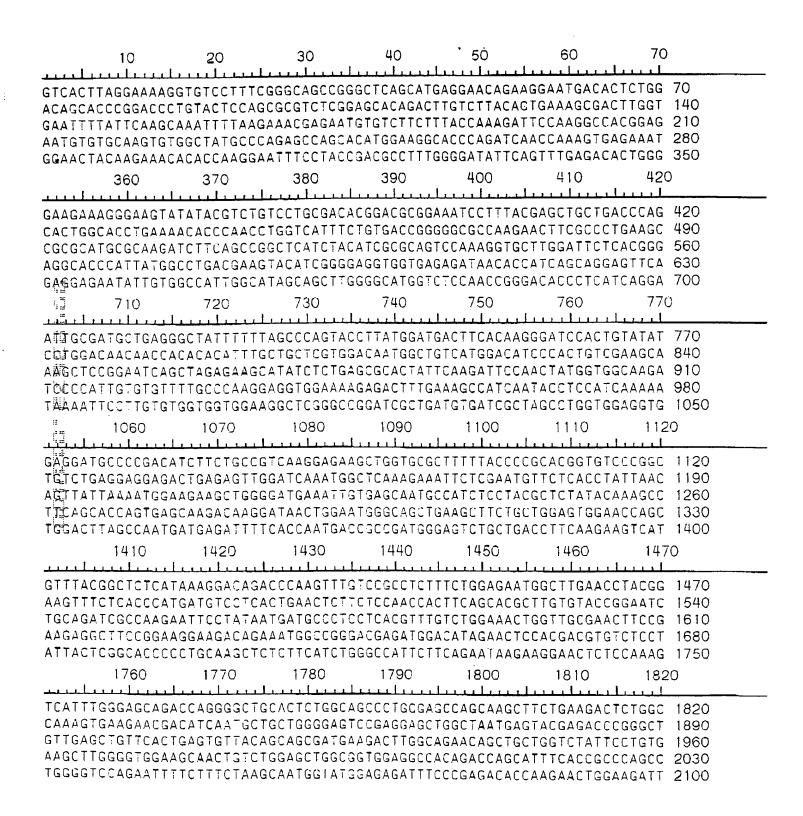


Fig. 11



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2110	2120	2130	2140	2150	2160	2170 Ll	
AGCACAAGAAGO GGTCTTCTACAT CCCCCCGAGCTO	ATTTATTATACCC TGCTTTTGGTACT CGCCTTCCTCCT GCTCCTGTACTCC TATTTTACTGACC	ATGTGGCGTT(GCTGTTTGCC CTGGTCTTTG	CTTCACCTCCC CACGTGCTGCT CCTCTTCTGT	CCTTCGTGGT CATGGATTTC CGATGAAGTGA	CTTCTCCTG CCATTCGGTG AGACAGTGGT	GAATGT 2240 CCACAC 2310 ACGTAA 2380	
2460	2470	2480	2490	2500	2510	2520	
TACATTATTTC TGCTGCAGAGGA CGTGGCCAGGCA	GGCTCCACTCTTC CACTCTAAGATTG AIGCTGATCGATG AAGGGATCCTTAG GGCCATGTTCGGC 2820	ATCCACATTT TGTTCTTCTTC GCAGAATGAG CAGGTGCCCAC 2830	TTACTGTAAGO CCTGTTCCTCT CAGCGCTGGAO	AGAAACTTAG TTGCGGTGTG GGTGGATATTG GGTACCACG1 2850	GGACCCAAGA GGATGGTGGC CCGTTCGGTC TATGACTTTG 2860	TTATAA 2590 CTTTGG 2660 ATCTAC 2730	
CGAGTGGATCAC GTCGCCATGTT AGTTCCTGGTGC CGTGGTGGTGAA	GGGAATGAGTCCA CCATCCCCCTGGT GGCTACACGGTG CAGGAGTACTGCA GAAGTGCTTCAA 3170	GTGCATCTACA GGCACCGTCCA GCCGCCTCAA	ATGTTATCCA0 AGGAGAACAAT FATCCCCTTC0	CAACATCCTO GACCAGGTC1 CCCTTCATCG1	GCTGGTCAAC TGGAAGTTCC TCTTCGCTTA	CTGCTG 2940 AGAGGT 3010 CTTCTA 3080	
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3510	3520	3530	3540	3550	3560	3570	
GECTGTTTCTCT TETTTCCTTTAA TCATGCTTTACT ATGTGACTAATT 3860		GCCTGGGASTO TGAACACATAT TTTTGTTCATT GTTAAAAGTCT 3880	GGAGGTTGATA TATAGGAGAAC TCCAATTGAT TCTCAAATTAG 3890	GTTTAAGTGT CATCTATCCTA TCTCTACTTT GCCAGATTCT 3900	GTTCTTACC TGAATAAGA TCCCTTTTT 'AAAACATGC 3910	GCCTCC 3640 ACCTGG 3710 TGTATT 3780 TGCAGC 3850 3920	
AAGAGGACCCCC GACAAGGCAGTC TGTGAAAAGTCC TTTATTATTTTT GAACATAAATTC 4210	CTCTCTTCAGGA CTCTTGCTCTCTT CCCCAAAATGCAA CCATTAAAAAIA CCCCCATTACCT 4220	AAAGTGTTTTC GGACTCACCAC CCTTGAAAGGC ATAGCTGGCTA TAAGGTAATCA 4230	CATTTCTCAGG GGCTCCTATTG CACTACTGACT ATTATAGAAAA ACTGCTAACAA 4240	ATGCTTCTTA AAGGAACCAC TTGTTCTTAT TTTAGACCAT TTTCTGGATG 4250	CCTGTCAGA CCCCATTCC TGGATACTC ACAGAGATG GTTTTTCAA 4260	GGAGGT 3920 TAAATA 3990 CTCTTA 4060 TAGAAA 4130 GTCTAT 4200 4270	
TTATGTAAGCTT ATATCAATAATT TTGATCATTGG	TATGTCTCAATT TTTTCACTTAGTA GCATAATAGGCA ATGAGCATUTITA ATCTATTTATTA	TTTTATCAAAT ACCTCTAGCGA GTGCATGAATO	ATGTTTTTAT ATTACCATAAT CTATTGCTGT	TATATTCATA TTTGCTCATT ATTTGGGAAA	GCCTTCTTAA GAAGGCTAT(AACATT 4340 CTCCAG 4410 GGTTAG 4480	

						
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AAAAATAAAAAAATTA	GCTGGGTGTGG	TGGTGCACT	CCTGTAATCC	CAGCTACTCA	GAAGGCTGAG	GTAC 4830
AAGAATTGCTGGAACC	TGGGAGGCGGA	GGTTGCAGT	TGAACCAAGAT	TGCACCACTG	CACTCCAGCC	GGGG 4900
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TGACAGAGTGAGACTCE ATGGTGAAGGGAATGG						
AAGTGGTGGTATTTGA						
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CTACAAAAGCATTAAC	TAAAAAAGTTT	ATTTTCCTT	TTGTCTGGGC	AGTAGTGAAA	ATAACTACTC	
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GTGGATGTTTTTGCAG	a		TATGAAAAATI		AGTGTAGTTC. ATGTGTCCTG	
CTTTTGCACAACTGAG	AATCCTGCGGC	TTGGTTTAA	TGAGTGTGTT	CATGAAATAA	ATAATGGAGG.	AATT 5600
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